Conclusions: I

- From Summer'03 to Summer'05, peak luminosity has grown by factor 2.8 ($40\rightarrow120e30$) and weekly integrated luminosity by factor 2.3 ($7.2\rightarrow16.7$ pb-1/wk)
- Most important improvements (>10%) came from:

	L_peak	L_int	
> RR mixed shots	25%	11%	studies
Beta* change	29%	20%	studies
➤ MI 2.5MHz/BLC	13%	9%	studies
Reliability/L-time	19%	36%	management
> Tev Reshim/Align	12%	9%	shutdown
with additional detectable/recognizable contributions due to Tev octupoles, Tev precycle elimination, and Tev instability dampers			

- Open question whether there was real emittance improvement in MI
 - → TeV transfers after FY'04 shutdown

Conclusions II

- (Depending on above) Operation of the Recycler in "mixed source" mode led to 6-11% increase of weekly integrated luminosity in FY'05
- (Un)surprisingly, comparable RR effects come from both smaller emittances of pbar bunches and from higher pbar intensity
- Increase of the running time (+28 hrs) after FY'03 gave one time gain of 36% in luminosity integral. Most of the extra time came from study time reduction (-16hrs), more reliable Tevatron (-8hrs), and shorter "Misc" time (-4 hrs).
- Later in FY'04 and FY'05, the time in collision slipped back -(8..10) hrs, due to worsened reliability (partly compensated by further reduction of study time)
- As expected, statistics shows anticorrelation btw "Store time" (hrs/wk) and "Study" time, and btw "Store" and "SetUp" time

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